

Claims

1. A device for preventing axial movement of an elongated member (1), such as a cannula needle, applied through the skin of a mammal at a puncturing position, said device comprising a plaster (2) designed to cover the surface around the puncturing position and having at least an adhesive layer (4) for securing it to the skin as well as an opening (9) through the layer(-s) thereof for the passage of said elongated member therethrough, the device further comprising means (8) secured to the plaster and adapted to clamp around said elongated member (1) when the elongated member is applied through the skin of a mammal and the plaster is applied on the surface around said puncturing position, characterized in that said clamping means (8) is thin and substantially flat and provided with a lateral opening (10) for laterally introducing a said elongated member between clamping portions (11, 12) thereof, and that said clamping means includes parts of substantially rigid material provided with clamping portions (11, 12) adapted to bear against a said elongated member.
2. A device according to claim 1, characterized in that said clamping means (8) is of (a) material(-s) being substantially more rigid than the material(-s) forming the plaster (2).
3. A device according to claim 1 or 2, characterized in that surfaces through which the clamping portions (11, 12) are adapted to bear against a said elongated member are made of a substantially rigid material.
4. A device according to any of the preceding claims, characterized in that said clamping means (8) has clamping portions (11, 12) with sharp gripping edges adapted to bear against a said elongated member clamped thereby.

5. A device according to any of the preceding claims, **characterized** in that said clamping means (8) is made of metal.
- 5 6. A device according to any of the preceding claims, **characterized** in that said plaster (2) is provided with a pocket (7) formed between two adjacent layers (5, 6) thereof and housing said clamping means (8).
- 10 7. A device according to claim 6, **characterized** in that said plaster (2) comprises at least two additional layers (5, 6) besides said adhesive layer (4), and that said pocket (7) is formed between two such additional layers.
- 15 8. A device according to claim 7, **characterized** in that the plaster (2) comprises a carrier layer (5) arranged on top of the adhesive layer (4) and an uppermost coating layer (6), and that said pocket (7) is formed between said carrier layer and the coating layer.
- 20 9. A device according to any of the preceding claims, **characterized** in that said clamping means (8) is transferable between an inactive state allowing a said elongated member to be introduced between clamping portions (11, 12) thereof and an active state in which said clamping portions
- 25 bears under tension against a said elongated member.
- 30 10. A device according to claim 9, **characterized** in that at least said clamping portions (11, 12) of said clamping means are made of a material having a high coefficient of thermal expansion in the region around the body temperature of a mammal for which the device is intended to be used such as to be influenced by the temperature when applied together with the plaster (2) on a skin of a said
- 35 mammal for being transferred from said inactive to said

active state through the temperature rise caused through heat transfer from the body of said mammal.

- 5 11. A device according to claim 10, characterized in that at least said clamping portions (11, 12) of said clamping means are made of a memory metal.
- 10 12. A device according to claim 9, characterized in that said clamping means comprises at least one spring member (13, 18, 24, 25) connected to said clamping portions (11, 12) for urging them towards each other.
- 15 13. A device according to claim 12, characterized in that it comprises a blocking member (14) adapted to hold the clamping portions (11, 12) apart in said inactive state for allowing introduction of a said elongated member there-between and when released allowing said spring member (13, 18, 24, 25) to transfer the clamping means to the active state.
- 20 14. A device according to any of the preceding claims, characterized in that said plaster opening (9) is formed by a lateral slot into the plaster (2) for enabling introduction of a said elongated member into said opening after the elongated member has been applied through the skin of a mammal.
- 25 15. A device according to any of the preceding claims, characterized in that it comprises an elongated flexible, preferably adjustable, such as by being elastic, band-like member (3) secured to the plaster (2) and adapted to be applied around a body part of a mammal on which a said puncturing position has been applied for assisting the adhesive layer of the plaster in holding the plaster secured around
- 30 the puncturing position.
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